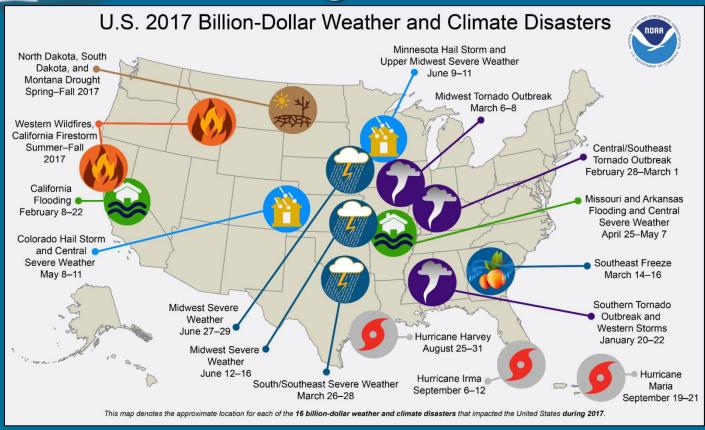
Billion Dollar Disasters Database: Drought and Wildfire Focus



North American Drought Monitor Meeting

Calgary, Canada May 2018

Doug Kluck (doug.kluck@noaa.gov)

National Oceanic and Atmospheric Administration (NOAA)

National Centers for Environmental Information (NCEI)

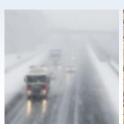
NOAA's National Centers for Environmental Information (NCEI) – Center for Weather and Climate

 Statutory mission to describe the climate of the United States and act as the "Nation's Scorekeeper" regarding the trends and anomalies of weather and climate.











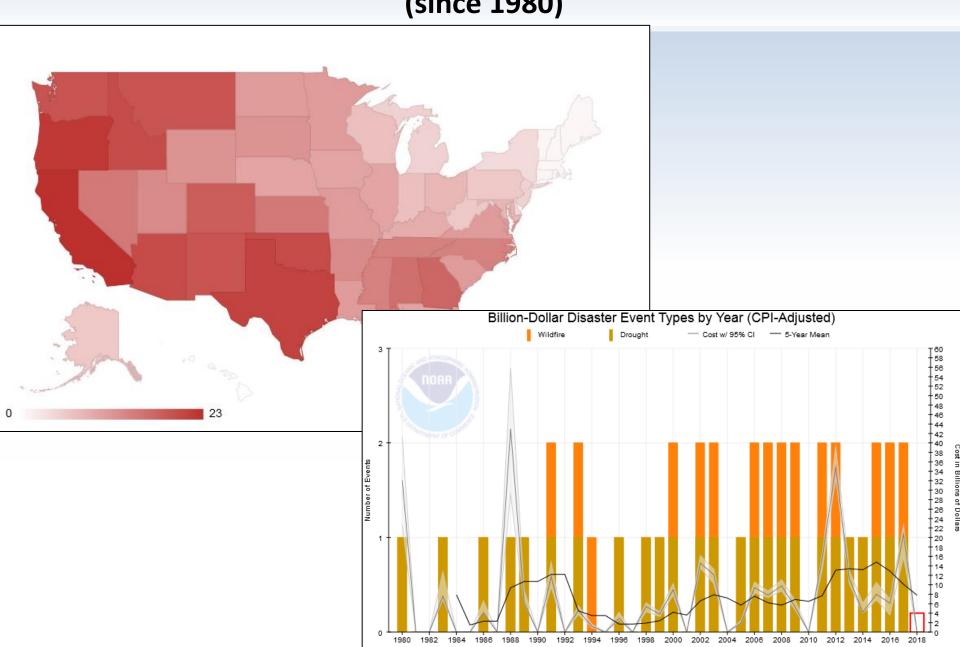




- As part of this responsibility we also analyze extreme weather and climate events in the U.S. that have great economic and societal impacts known as "U.S. Billion-dollar Weather & Climate Disasters"
- Such extreme events contribute the majority (>75%) of the damage from all recorded U.S. weather and climate events (NCEI; Munich Re).

Billion-Dollar Fire and Drought Disasters

(since 1980)



Real Time Climate Support USING CLIMATE INFO TO MAKE DECISIONS TODAY

IN THE MIDWEST, MISSOURI RIVER & GREAT LAKES BASINS

If I didn't receive these, I
would not be up-to-date on
climate/weather information.

— Fish & Wildlife Agency (MN)

11 I view the information as more operationally useful than other sources.

- State Transportation Agency (IA)



More than 1,000 individuals receive quarterly climate summaries or outlooks.

More than 435 individuals took part in one or more webinars in 2016.

÷=10

More than 3/4 of users get information they can't find anywhere else.



One-third of users make decisions with the information.



Sixty percent say that information led to detter decisions.



ON THESE TOPICS:

State drought declarations

Fish production scheduling

Emergency response planning

Reservoir operations planning

Wildland fire personnel planning

Construction project management

Insurance and marketing decisions

Flooding and drought alert communication

Crop planting & livestock stock rate decisions

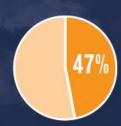


More than 50 percent share the information with colleagues & partners.



10W THE INFORMATION FLOWS

More than 40 percent share information with other decision makers.



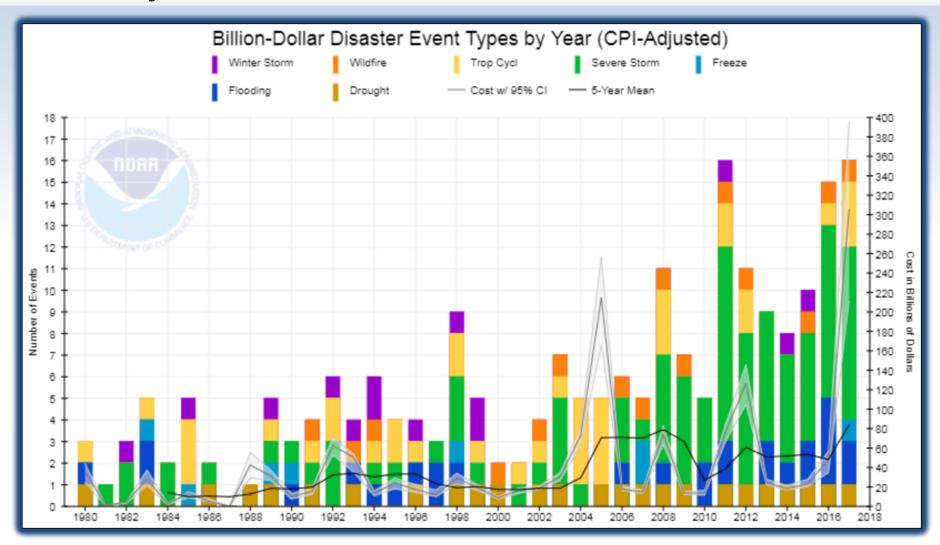
Nearly half of users said the information has influenced policy and response activities.

lains utlook

ist/ Senior RA
Extension/BPCRC
Office of Ohio (SCOO)
University
u.edu; (614) 292-7930



Thank you



Extra slide(s)

Extreme Events: Partnership w/USDA

"real time" regional briefs:

- 2-4 weeks
- Critical impacts, potential extremes
- NOAA climate/weather information
- USDA climate/weather impacts to agriculture

Extremes due to antecedent extremes

Warmth/wet/dry/cold

Critical Timing:

- Fall harvest, fall/summer early freezes, spring late freezes
- pollination/seed filling
- spring livestock
- spring fire
- growing season drought, spring planting



